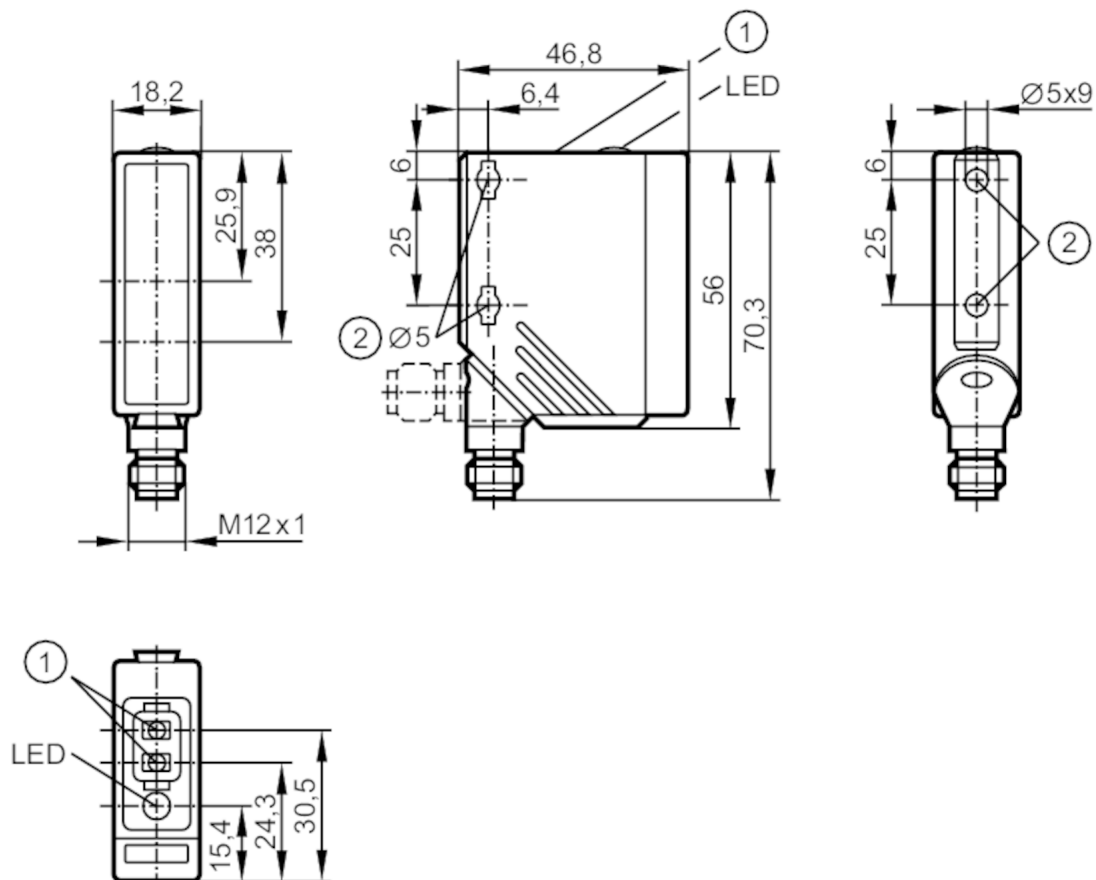


O5C500

Colour sensor

O5C-MAKG/US100



- 1 programming buttons
2 When a M5 mounting screw is used, the max. tightening torque is 2 Nm.
receiver in upper lens
transmitter in lower lens



Product characteristics

Type of light	red light; green light; blue light
Housing	rectangular

Electrical data

Operating voltage	[V]	10...36 DC
Current consumption	[mA]	50; ((24 V))
Protection class		II
Reverse polarity protection		yes
Type of light		red light; green light; blue light
Wave length	[nm]	625; 525; 465

Outputs

Electrical design		PNP/NPN; (automatic load detection PNP/NPN)
Output function		light-on/dark-on mode; (programmable)
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	200

O5C500



Colour sensor

O5C-MAKG/US100

Switching frequency DC	[Hz]	2000
Notes on switching frequency	[Hz]	for tolerance step 5
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

Range	[mm]	15...19
Max. light spot width	[mm]	2.5
Max. light spot height	[mm]	6

Response times

Response time	[s]	< 0.3
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Operating conditions

Ambient temperature	[°C]	-25...60
Protection		IP 67

Tests / approvals

EMC	EN 60947-5-2	
MTTF	[years]	491

Mechanical data

Weight	[g]	82.5
Housing		rectangular
Dimensions	[mm]	56 x 18.2 x 46.8
Materials		housing: PA; bezel: stainless steel; operator interface: TPU / PC
Lens material		front pane:PMMA
Lens alignment		side lens

Displays / operating elements

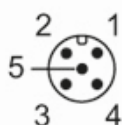
Display	switching status	1 x LED, yellow
	tolerance step	1 x LED, green
Teach function		yes
Electronic lock		yes

Remarks

Remarks	operating voltage "supply class 2" according to cULus
Pack quantity	1 pcs.

Electrical connection

Connector: 1 x M12; coding: A



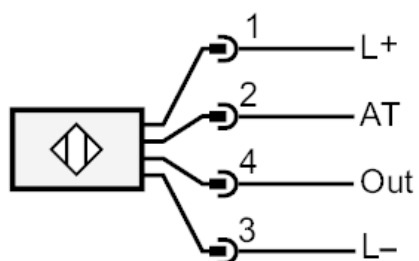
O5C500

Colour sensor

O5C-MAKG/US100



Connection



1 activation trigger AT